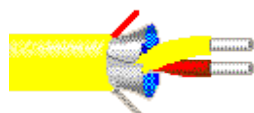


1018A Multi-Conductor - Thermocouple Extension Cable



For more Information
please call

1-800-Belden1



Description:

16 AWG pairs solid conductors, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	Solid	Chromel & Alumel

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.4318	2.159

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
18	16x30	TC - Tinned Copper	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 6.299 mm

Pair

Pair Color Code Chart:

Number	Color
1	Yellow & Red

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Non-UL Temperature Rating: 105°C

Bulk Cable Weight: 58.040 Kg/Km

Min. Bend Radius (Install)/Minor Axis: 63.500 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG, PLTC, ITC

CEC/C(UL) Specification: CMG

EU CE Mark: Yes

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EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
ANSI Specification:	MC 96.1-1982 Type KX

Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
ICEA Flame Test:	T-29-520

Plenum/Non-Plenum

Plenum (Y/N):	No
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Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance ($\mu\text{H}/\text{m}$)
0.59058

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
167.331

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
82.025

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
CHROMEL	482.307
CONSTANTAN	193.251

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
124.678

Notes (Overall)

Notes: Chromel & Alumel = "Chromel and Alumel are Hoskins Manufacturing Company trademarks."

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1018A 0041000	305 MT	17.237 KG	YELLOW	C	300V/KX/PR/01/16AWG/PVC/OS/NIA
1018A 00410000	3,048 MT	204.118 KG	YELLOW	C Z	300V/KX/PR/01/16AWG/PVC/OS/NIA

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 05-14-2007

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